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CLAIM LISTING:

A listing of an entire set of claims 1-18 is submitted herewith per 37 C.F.R. §1.121. This listing of pending claims 1-18 will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method of error retention for multi-threaded software, comprising:
 - executing an application which uses a logger that collects log statements;
 - collecting at least one log statement, the log statement including a retention level indicator, from at least one application thread and storing the at least one log statement in memory; and
 - allowing the collected log statement to be persisted in case of an error in a production environment.
2. (Original) The method of claim 1 wherein the application and logger are implemented on a web application server.
3. (Original) The method of claim 1 wherein the executing application is run in a development environment.
4. (Original) The method of claim 1 wherein the executing application is run in a test environment.
5. (Original) The method of claim 1 wherein the logger is built into a base class of an object oriented application framework.

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6. (Original) The method of claim 1 wherein the production application is an Internet accessible application.
7. (Original) The method of claim 1 wherein the method can be implemented using background threads.
8. (Original) The method of claim 1 further comprising:
detecting a death of an application thread by the logger; and
deleting the application thread's log statements after thread death detection.
9. (Currently Amended) A system of error retention for multi-threaded software, comprising:
means for executing an application which uses a logger that collects log statements;
means for collecting at least one log statement, the log statement including a retention level indicator, from at least one application thread and storing the at least one log statement in memory; and
means for allowing the collected log statement to be persisted in case of an error in a production environment.
10. (Original) The system of claim 9 further comprising:
means for detecting a death of an application thread by the logger; and
means for deleting the application thread's log statements after thread death detection.

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11. (Currently Amended) A computer readable medium storing a computer program comprising:
- computer readable code for executing an application which uses a logger that collects log statements;
 - computer readable code for collecting at least one log statement the log statement including a retention level indicator, from at least one application thread and storing the at least one log statement in memory; and
 - computer readable code for allowing the collected log statement to be persisted in case of an error in a production environment.
12. (Original) The computer readable medium of claim 11 wherein the application and logger are implemented on a web application server.
13. (Original) The computer readable medium of claim 11 wherein the executing application is run in a development environment.
14. (Original) The computer readable medium of claim 11 wherein the executing application is run in a test environment.
15. (Original) The computer readable medium of claim 11 wherein the logger is built into a base class of an object oriented application framework.
16. (Original) The computer readable medium of claim 11 wherein the production application is an Internet accessible application.

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17. (Original) The computer readable medium of claim 11 wherein the method can be implemented using background threads.

18. (Original) The computer readable medium of claim 11 further comprising:
computer readable code for detecting a death of an application thread by the
logger; and
computer readable code for deleting the application thread's log statements
after thread death detection.